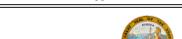
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials

Quality Assurance and Source Inspection Bay Area Branch 690 Walnut Ave.St. 150

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Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-009520 Address: 333 Burma Road **Date Inspected:** 12-Oct-2009

City: Oakland, CA 94607

Project Name: SAS Superstructure **OSM Arrival Time:** 645 **OSM Departure Time:** 1845 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island Location: Shanghai, China

CWI Name: CWI Present: Yes Xu Xian Ping No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No Yes No N/A **Delayed / Cancelled:**

OBG & TOWER Components **Bridge No:** 34-0006 **Component:**

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, Sandeep Kumar was present during the times noted above for observations relative to the work being performed.

BAY 1

This QA Inspector observed the following work in progress:

SMAW process tack welding of weld joint # 007 located on Counter Weight CW001B – PP048. Welder is identified as 214453. ZPMC QC is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2112.

SMAW process tack welding of weld joint # 005 located on Counter Weight CW001B – PP048. Welder is identified as 214453. ZPMC QC is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2113.

BAY 2

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

This QA Inspector observed the following work in progress:

SMAW process tack welding of weld joint # 106 located on Floor Beam FB3054 – 001. Welder is identified as 045251. ZPMC QC is identified as Zhang Hai Feng. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2112.

FCAW process welding of weld joint # 032 located on Floor Beam FB3010 – 001. Welder is identified as 062438. ZPMC QC is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS - B - T - 2132 - 3.

SMAW process tack welding of weld joint # 041 located on Floor Beam FB3056 – 001. Welder is identified as 049972. ZPMC QC is identified as Zhang Hai Feng. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2112 - FCM.

BAY 5

This QA Inspector observed the following work in progress:

FCAW process welding of weld joint # 010 located on Traveler Rail 10TR3 – 019. Welder is identified as 068858. ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS -B - T - 2232 - Tc - U5 - F.

FCAW process welding of weld joint # 012 located on Bike Path BK001 – 037. Welder is identified as 204342. ZPMC QC is identified as Wang Liyang. The welding variables recorded by QC appeared to comply with the WPS - B - T - 2232 - Tc - U4c - F.

FCAW process welding of weld joint # 014 located on Traveler Rail 10TR3 – 019. Welder is identified as 068858. ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS -B - T - 2232 - Tc - U5 - F.

FCAW process welding of weld joint # 012 located on Bike Path BK001 – 039. Welder is identified as 215009. ZPMC QC is identified as Wang Liyang. The welding variables recorded by QC appeared to comply with the WPS - B - T - 2232 - Tc - U4c - F.

BAY 6

Tower

This QA Inspector observed the following work in progress:

SMAW process welding of weld joint #8B located on Tower Strut WD1 – A305 – 53M – 3. Welder is identified as 067707. ZPMC QC is identified as Zhao Chen Sun. The welding variables recorded by QC appeared to comply

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

with the WPS -485 - SMAW - 2G (2F) - FCM - Repair - 1.

SMAW process welding of weld joint #8A located on Tower Strut WD1 – A305 – 53M – 1. Welder is identified as 067707. ZPMC QC is identified as Zhao Chen Sun. The welding variables recorded by QC appeared to comply with the WPS -485 - SMAW - 2G(2F) - FCM - Repair - 1.

Cross Beam - 8

This QA Inspector observed the following work in progress:

FCAW process welding of weld joint #005 located on Cross Beam CB202A – 008. Welder is identified as 058174. ZPMC QC is identified as Zhou Jie. The welding variables recorded by QC appeared to comply with the WPS – B -T - 2232 - Tc - U4b - F.

FCAW process welding of weld joint #017 located on Cross Beam CB202A – 008. Welder is identified as 053609. ZPMC QC is identified as Zhou Jie. The welding variables recorded by QC appeared to comply with the WPS – B -T - 2232 - Tc - U4b - F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang - 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer